

Technical Support  
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# Converting HP Basic Programs to Keysight VEE for the 3852

# Notices

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## Contents

There is no simple utility program that will convert HP Basic programs to Keysight VEE programs. However, it is possible to simplify the conversion process as follows. Part of a typical HP Basic program for the 3852 is listed here as an example:

```
283 OUTPUT @Dac;"RESET"
284 OUTPUT @Dac;"REAL SAMP(9),L_1,H_1,MEAN_1,S_1"
285 OUTPUT @Dac;"REAL T1,T2,T3"
290 OUTPUT @Dac;"USE 600"
300 OUTPUT @Dac;"SCANMODE ON"
310 OUTPUT @Dac;"SCTRIG HOLD"
320 OUTPUT @Dac;"FUNC DCV"
330 OUTPUT @Dac;"RANGE 10" ! LAST ACAL MADE HERE
340 OUTPUT @Dac;"TERM EXT"
350 OUTPUT @Dac;"RDGSMODE END"
360 OUTPUT @Dac;"NRDGS 10"
370 OUTPUT @Dac;"SPER .0001"
380 OUTPUT @Dac;"SCDELAY .005"
```

**Step 1:** Read your Basic program into a word processor. Then delete the line numbers and the HP Basic command keywords, leaving the quoted string that is sent to the 3852. Save the result as a ".txt" file. It should now look like this:

```
"REAL SAMP(9),L_1,H_1,MEAN_1,S_1"
"REAL T1,T2,T3"
"USE 600"
"SCANMODE ON"
"SCTRIG HOLD"
"FUNC DCV"
"RANGE 10"
"TERM EXT"
"RDGSMODE END"
```

"NRDGS 10"

"SPER .0001"

"SCDELAY .005"

**Step 2:** In VEE, use the From File object (using string format) to read the "TEXT COMMAND STRINGS" in the file. A loop can be defined to read the file. By connecting the From File output pin to the Direct IO input pin, all of the command strings in the file can be sent to the 3852. This technique saves the work of re-typing the command strings in VEE.

